DECIRCO CIPETO P. 1. 4. AUG. 200

Please type a plus sign (+) inside this box  $\longrightarrow$   $\boxed{+}$  , PTO/SB/21 (08-00) Approved for use through 10/31/2002. OMB 0651-031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE er the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Application Number 09/831,047 **TRANSMITTAL** May 3, 2001 Filing Date **FORM** First Named Inventor Magdalena Blaszczyk-Thui (to be used for all correspondence after initial filing) Group Art Unit **Examiner Name** Total Number of Pages in This Submission Attorney Docket Number WST93AUSA **ENCLOSURES** (check all that apply) After Allowance Communication Assignment Papers Fee Transmittal Form (for an Application) to Group Appeal Communication to Board Fee Attached Drawing(s) of Appeals and Interferences Licensing-related Papers Appeal Communication to Group Amendment / Reply (Appeal Notice, Brief, Reply Brief) Petition After Final Proprietary Information Petition to Convert to a Affidavits/declaration(s) Provisional Application Status Letter Power of Attorney, Revocation Change of Correspondence Address Other Enclosure(s) (please Extension of Time Request identify below): Terminal Disclaimer pp. Letter Express Abandonment Request pp. Form PCT/Do/Eo/905 Request for Refund l Diskette Information Disclosure Statement CD, Number of CD(s)\_ 1 Copy of postcard Certified Copy of Priority Document(s) Remarks Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53

	SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT
Firm or Individual name	HOWSON AND HOWSON Mary E. Bak
Signature	May & BL
Date	August 14, 2001

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date:

Typed or printed name

Date

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

00270

PATENT TRADEMARK OFFICE

## • WST93AUSA IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In feathe Application of	)Group Art Unit:
Magdalena Blaszczyk-Thurin et al	)Examiner:
Appln No. 09/831,047	)
Filed: May 3, 2001	)
For: COMPOSITIONS AND METHODS FOR TREATMENT OF CANCER	) ) )August 14, 2001

Assistant Commissioner for Patents Washington, DC 20231 Attn: Shelby Vigil, Paralegal

## **LETTER**

Sir:

In response to the Notification to Comply with Requirements for Patent Applications Containing Nucleotide Sequence and/ or Amino Acid Sequence Disclosures in the above-identified application, dated June 15, 2001, attached please find:

- the requested diskette, with the Sequence Listing in computer readable format as required by 37 CFR 1.821 (e);
- (b) a copy of this Notice; and
- (c) a copy of the USPTO receipt-stamped postcard providing evidence that the diskette was originally filed with the application.

In a telephone conference with Shelby Vigil, Applicant was advised that only the diskette was missing from the materials filed with the application on May 3, 2001.

The substitute computer readable diskette contains the same content as the paper copy of the Sequence Listing filed with the application on May 3, 2001. No new matter is contained on this diskette. Please enter this computer readable diskette into the application file. If further information is needed, the examiner or paralegal is requested to notify the undersigned at 215 540 9206.

The Director is hereby authorized to charge any deficiency or credit any overpayment in any fee due with this paper to our deposit account number 08-3040.

Respectfully submitted, HOWSON AND HOWSON Attorneys for the Applicants

By

Mary E Bak

Registration No. 31,215

Spring House Corporate Center

Box 457

Spring House, PA 19477

Telephone: (215) 540-9200 Telefacsimile: (215) 540-5818

DOC NOWS TONING
Inventor Mandalena Bluszczyk. Thron C WST 1. Date 5-3-01
Title Compositions all must with first The following has been recovered for The
The state of Median Co.
The following has been room
The state of the state of the U.S. Patent and Trade
pp. Spec. 124 Claims I and Trademark Office on the date standard
The following has been received in the U.S. Patent and Trademark Office on the date stamped hereon pp. Spec. The Claims. Le. Abstract
pp. Declaration/Power of Attorney pp. Amendment: OA dtd
Shis Information (Small Entry)
shts. Informal Drawings
Shits Formal Drawnood ( ) Ssue FeW / S 7 D / 5
Notice of Assistance
Pp. Assignment Notice of Appeal & Fee
UD Preliminary American Company and Compan
— pp. Extension of Time  pp. Information of Time  200 100 23 25 25 25 25 25 25 25 25 25 25 25 25 25
— pp. Information Disclosure Statement with PTO-1449 and with PTO-1449 and
with DTO attended Statement
with PTO-1449 and references references
with PTO 1449 and references The Patent and Tradament
it in the outcome. Office is respectfully request
with the outgoing man requested to place its stamp on the
Command this postal card and place
Become in the second in the se
The Patent and Trademar Office is respectfully requested to place its stamp on this postal card and clace  The Patent and Trademar Office is respectfully requested to place its stamp on this postal card and clace  Respectfully Op now 17 Per Epin
Respectfully Opman, 107 12 Praise Em
ME 10 03 MAY 200;
1918 )



O9/831047  BLASZCZYK-THURIN  M WST93AU  HOWSON AND HOWSON  ONE SPRING HOUSE CORPORATION CENTER  BOX 457  321 NORRISTOWN ROAD	for Patents, Box P
D9/831047  BLASZCZYK-THURIN  M WSGT33AL  HOWSON AND HOWSON ONE SPRING HOUSE CORPORATION CENTER    PCTUS99/26277  321 NORRISTOWN ROAD SPRING HOUSE, PA 19477  NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNI STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)  1. The following items have been submitted by the application of the Bit on the United States Patent and Trademar And Translation of Amail Entity Status.  Copy of the international application.  Oath or Declaration of inventors(s).  Priority Document.  The International Preliminary Examination Report in English and its Annexes, if any.  Translation of Annexes to the International Preliminary Examination Report into English.  Priority Document.  The International Preliminary Examination Report in English and its Annexes, if any.  Translation of Annexes to the International Preliminary Examination Report into English.  U.S. Basic National Fee.  U.S. Basic National Fee.  Copy of the international application must be fully acceptance under 35 U.S.C. 371() but has not filed the following indicated items and priority due to avoid abandomment.  U.S. Basic National Fee.  Copy of the international application must be fully acceptance under 35 U.S.C. 371() but has not filed the following indicated items and priority due to avoid abandomment.  U.S. Basic National Fee.  Copy of the international application must be fully acceptance under 35 U.S.C. 371() but has not filed the following indicated items and priority due to avoid abandomment.  In the following items MUST be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:  1. Translation of the application into English. A processing fee will be required if submitted later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(a)) and (b) properly identifying the application (preferably by the International application number and international application indicated on the attached PCT/DO/EO/917.  1. Translation of the applicat	shington, D.C. 20
HOWSON AND HOWSON ONE SPRING HOUSE CORPORATION CENTER BOX 457 321 NORRISTOWN ROAD SPRING HOUSE, PA 19477  NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNI STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) Office as	www.uspio.
HOWSON AND HOWSON ONE SPRING HOUSE CORPORATION CENTER:    DESTRING HOUSE CORPORATION CENTER:   DESTRING HOUSE, PA 19477	
NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNI STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)  1. The following items have been submitted by the applicant or the IB to the United States Patent and Trademar Delication of Declaration of inventors(s).  [Indication of Small Entity Status.]  Oath or Declaration of inventors(s).  [Priority Document.]  Translation of Article 19 amendments.  Priority Document.  The International Preliminary Examination Report in English and its Annexes, if any.  Translation of Article 19 amendments into English.  Other:  1. Splicate thas requested early processing under 35 U.S.C. 371(f) but has not filed the following indicated items and prior to 20 or 30 months from the priority date to avoid abandonment.  [International preliminary Examination Report in English and its Annexes, if any.  1. The International Preliminary Examination Report in English and its Annexes, if any.  2. Applicant has requested early processing under 35 U.S.C. 371(f) but has not filed the following indicated items and prior to 20 or 30 months from the priority date to avoid abandonment.  [International preliminary Examination Report in English and its Annexes in the International application must be form the priority date to avoid abandonment.  [International Fee.]  Oath or Copy of the international application.  3. The following items MUST be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:  [International Fee.]  Internation of the application into English. A processing fee will be required if submitted later than the appropriate 20 or 30 months from the priority date.  The current translation is defective for the reasons indicated on the attached Notice of Defective Translation of the application on the international application number and international filing date). A date.  Oath or declaration of the inventors, in compliance with 37 CFR I.492(a) and (b) for the reasons indicated on the attached Processing the about or dec	JSA
SPRING HOUSE, PA 19477   JUN 1 6 206   O5 NOV 99   O6 NO	5
NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITOR of Missing items have been submitted by the applicant or the IB to the United States Patent and Trademar Description of the international application.    U.S. Basic National Fee.   Indication of Small Entity Status.   During of Article 19 amendments.   During of Article 19 amendments into English.	
NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITORIAL OF MISSING UNDER 35 U.S.C. 371 IN THE UNITORIAL OF MISSING UNDER 35 U.S.C. 371 IN THE UNITORIAL OF MISSING UNDER 35 U.S.C. 371 IN THE UNITORIAL OF MISSING UNDER 35 U.S.C. 371 IN THE UNITORIAL OF MISSING	
NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)  1. The following items have been submitted by the applicant or the IB to the United States Patent and Trademark [IV]  I. U.S. Basic National Fee.   Indication of Small Entity Status.    I. Quit of Declaration of inventors(s).   Indication of Small Entity Status.    I. Quit of Declaration of inventors(s).   Translation of Small Entity Status.    I. Translation of Annexes to the International Application into English.    Priority Document.   Translation of Annexes in the International Preliminary Examination Report in English and its Annexes, if any.    Translation of Annexes to the International Preliminary Examination Report into English.    2.   Applicant has requested early processing under 35 U.S.C. 371(f) but has not filed the following indicated items in paragraph 3 below. The Basic National Fee and the copy of the international application must be for U.S. Basic National Fee.   Copy of the international application.    3. The following items MUST be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:      a. Translation of the application into English. A processing fee will be required if submitted later than the appropriate 20 or 30 months from the priority date.    Translation.   D. Processing fee for providing the translation of the application and/or the Annexes later than the appropriate 20 or 30 months from the priority date.    The current translation is defective for the reasons indicated on the attached Notice of Defective Translation.    Defective Translation (preferably by the International application number and international filing date). A date.      Drocessing fee for providing the translation of the application number and international filing date). A date.      Drocessing fee for providing the oath or declaration later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(0)).      Drocessi	Y DATE
NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNI  STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)  1. The following items have been submitted by the applicant or the IB to the United States Patent and Trademar (PA)  [U.S. Basic National Fee.   Indication of Small Entity Status.   DU   [U.S. Basic National application.   Translation of Article 19 amendments into English.   [U.S. Depth of the international application in Translation of Article 19 amendments.   Other:   [U.S. Depth of Article 19 amendments.   Other:   [U.S. Basic National Fee.   Copy of the international application must be found the indicated items in paragraph 3 below. The Basic National Fee and the copy of the international application must be found the indicated items in paragraph 3 below. The Basic National Fee and the copy of the international application must be found the international fee.   Copy of the international application must be found in the international fee.   [U.S. Basic National Fee.   Copy of the international application must be found in the application into English. A processing fee will be required if submitted acceptance under 35 U.S.C. 371:   [U.S. Basic National Fee.   Copy of the international application.   [U.S. Basic National Fee.   Copy of the international application.   [U.S. Basic National Fee.   Copy of the international application.   [U.S. Basic National Fee.   Copy of the international application.   [U.S. Basic National Fee.   Copy of the international application.   [U.S. Basic National Fee.   Copy of the international application.   [U.S. Basic National Fee.   Copy of the international application into English.   Copy of the international application into English.   [U.S. Basic National Fee.   Copy of t	OV 98
Office as a Designated Office (37 CFR 1.494) an Elected Office (37 CFR 1.495):  [F. U.S. Basic National Fee   Indication of Small Entity Status    [F. Copy of the international application   Indication of Small Entity Status    [F. Copy of Article 19 amendments   Indication of Article 19 amendments into English    [F. Copy of Article 19 amendments   Other:    [F. Copy of Article 19 amendments   Translation of Article 19 amendments into English    [F. Copy of Article 19 amendments   Other:    [F. Copy of Article 19 amendments   Other:    [F. Copy of Article 19 amendments   Other:    [F. Copy of Article 19 amendments    [F. Copy of Article 19 amendments into English	
Office as a Designated Office (37 CFR 1.494) an Elected Office (37 CFR 1.495):  U.S. Basic National Fee   Indication of Small Entity Status   Copy of the international application   Indication of Small Entity Status	IN 2001
Office as a Designated Office (37 CFR 1.494) _R an Elected Office (37 CFR 1.495):  U.S. Basic National Fee   Indication of Small Entity Status   Double   Indication of Article   Indication of the internation into English   Translation of Indication of Indicated international Preliminary Examination Report in English and its Annexes, if any   Translation of Annexes to the International Preliminary Examination Report in English and its Annexes, if any   Translation of Annexes to the International Preliminary Examination Report into English   Double   Indicated items in paragraph   3 below. The Basic National Fee and the copy of the international application must be form of the indicated items in paragraph   3 below. The Basic National Fee and the copy of the international application must be form of the Indicated items   Double   Doubl	711 2001
□ S. Basic National Fee. □ Indication of the international application. □ Copy of the international application. □ Copy of Article 19 amendments. □ Copy of Article 19 amendments. □ Copy of Article 19 amendments. □ Other: □ Translation of Article 19 amendments. □ Other: □ Translation of Article 19 amendments into English. □ Translation of Article 19 amendments into English. □ Copy of Article 19 amendments. □ Other: □ Translation of Annexes, if any. □ Translation of Annexes to the International Preliminary Examination Report in English and its Annexes, if any. □ Translation of Annexes to the International Preliminary Examination Report into English. □ Copy of Applicant has requested early processing under 35 U.S.C. 371(f) but has not filed the following indicated items and prior to 20 or 30 months from the priority date to avoid abandonment. □ Copy of the international application must be f □ U.S. Basic National Fee. □ Copy of the international application must be f □ U.S. Basic National Fee. □ Copy of the international application.  3. The following items MUST be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371: □ Translation of the application into English. A processing fee will be required if submitted later than the appropriate 20 or 30 months from the priority date. □ The current translation is defective for the reasons indicated on the attached Notice of Defective □ Translation. □ b. Processing fee for providing the translation of the application and/or the Annexes later than the appropriate 20 or 30 months from the priority date. □ C. Oath or declaration of the inventors, in compliance with 37 CFR 1.492(f)). The current oath or declaration does not comply with 37 CFR 1.497(a) and (b), properly identifying surcharge will be required if submitted later than the appropriate 20 or 30 months from the priority date (37 CFR 1.497(a) and (b) for the reasons indicated on the attached PCT/DO/EO/917. □ Applicant has submitted additional claim fees o	LLED
Copy of the international application   Translation of the international application   Translation of the international application into English.   Translation of Article 19 amendments   Translation of Article 19 amendments into English.   Translation of Article 19 amendments into English.   Translation of Article 19 amendments into English.   Other:   Translation of Annexes to the International Preliminary Examination Report in English and its Annexes, if any.   Translation of Annexes to the International Preliminary Examination Report into English.   2.   Applicant has requested early processing under 35 U.S.C. 371(f) but has not filed the following indicated items and prior to 20 or 30 months from the priority date to avoid abandonment.   Copy of the international application must be formally acceptance under 35 U.S.C. 371:   Copy of the international application into English.   A processing fee will be required if submitted later than the appropriate 20 or 30 months from the priority date.   Translation of the application into English. A processing fee will be required if submitted later than the appropriate 20 or 30 months from the priority date.   Translation   Processing fee for providing the translation of the application and/or the Annexes later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(f)).   Processing fee for providing the translation of the application number and international filing date). A date.   Copy of the international application number and international filing date). A date.   Copy of the international does not comply with 37 CFR 1.497(a) and (b), properly identifying surcharge will be required if submitted later than the appropriate 20 or 30 months from the priority date (37 CFR 1.497(a) and (b)) for the reasons indicated on the attached PCT/DO/EO/917.   Copy of the international paper or providing the oath or declaration later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(g)).   See attached PCT/DO/EO/917.   Copy of the priori	William
Oath or Declaration of inventors(s).  Copy of Article 19 amendments.  Priority Document.  The International Preliminary Examination Report in English and its Annexes, if any.  Translation of Article 19 amendments into English.  Priority Document.  The International Preliminary Examination Report in English and its Annexes, if any.  Applicant has requested early processing under 35 U.S.C. 371(f) but has not filed the following indicated items an prior to 20 or 30 months from the priority date to avoid abandonment.  U.S. Basic National Fee.  Copy of the international application must be full.  U.S. Basic National Fee.  Copy of the international application.  Translation of the application into English. A processing fee will be required if submitted later than the appropriate 20 or 30 months from the priority date.  The current translation is defective for the reasons indicated on the attached Notice of Defective Translation.  Processing fee for providing the translation of the application and/or the Annexes later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(f)).  The appropriate 20 or 30 months from the priority date (37 CFR 1.492(f)) and (b), properly identifying the appropriate of the inventors, in compliance with 37 CFR 1.497(a) and (b), properly identifying surcharge will be required if submitted later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(f)) and (b), properly identifying the current oath or declaration does not comply with 37 CFR 1.497(a) and (b) for the reasons indicated on the attached PCT/DO/EO/917.  D. Surcharge for providing the oath or declaration later than the appropriate 20 or 30 months from the priority date (37 CFR 1.497(a) and (b)) for the reasons indicated on the attached PCT/DO/EO/917.  D. Surcharge for providing the oath or declaration later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(g)).  Additional claim fees of 5  aim fee, are required. Applicant must submit the additional claim fees or cancel t	LIBHE
Translation of the international application into English.   Copy of Article 19 amendments.   Other:   Translation of Article 19 amendments into English.   Other:   Translation of Article 19 amendments into English.   Other:   Translation of Annexes to the International Preliminary Examination Report in English and its Annexes, if any.   Translation of Annexes to the International Preliminary Examination Report into English.   2.   Applicant has requested early processing under 35 U.S.C. 371(f) but has not filed the following indicated items an prior to 20 or 30 months from the priority date to avoid abandoniment.   U.S. Basic National Fee.   Copy of the international application must be f.   Copy of the international application must be f.   Copy of the international application into English. A processing fee will be required if submitted later than the appropriate 20 or 30 months from the priority date.   Translation of the application into English. A processing fee will be required if submitted later than the appropriate 20 or 30 months from the priority date.   Translation.   b. Processing fee for providing the translation of the application and/or the Annexes later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(f)).   Coath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), properly identifying surcharge will be required if submitted later than the appropriate 20 or 30 months from the priority date.   The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) for the reasons indicated on the attached PCT/DO/EO/917.   d. Surcharge for providing the oath or declaration later than the appropriate 20 or 30 months from the priority date.   The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) for the reasons indicated on the attached PCT/DO/EO/917.   d. Surcharge for providing the oath or declaration later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(e)).   Additional claim fees of \$	IE XIIS
Priority Document.  Priority Document.  The International Preliminary Examination Report in English and its Annexes, if any.  Translation of Annexes to the International Preliminary Examination Report into English.  2. Applicant has requested early processing under 35 U.S.C. 371(f) but has not filed the following indicated items in paragraph 3 below. The Basic National Fee and the copy of the international application must be full the indicated items in paragraph 3 below. The Basic National Fee and the copy of the international application must be full U.S. Basic National Fee.  Copy of the international application.  3. The following items MUST be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:  a. Translation of the application into English. A processing fee will be required if submitted later than the appropriate 20 or 30 months from the priority date.  The current translation is defective for the reasons indicated on the attached Notice of Defective Translation.  b. Processing fee for providing the translation of the application and/or the Annexes later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(f)).  c. Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), properly identifying surcharge will be required if submitted later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(e)).  Additional claim fees of \$\( \) as a \( \) large entity \( \) small entity, including any required multiple dependent entity are found and the applicant must submit the additional claim fees or cancel the additional claims for which fees are (37 CFR 1.492(e)). See attached PTO-875.	11
The International Preliminary Examination Report in English and its Annexes, if any.  Translation of Annexes to the International Preliminary Examination Report into English.  2. Applicant has requested early processing under 35 U.S.C. 371(f) but has not filed the following indicated items an the indicated items in paragraph 3 below. The Basic National Fee and the copy of the international application must be form the priority date to avoid abandonment.  U.S. Basic National Fee. Copy of the international application.  3. The following items MUST be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:  a. Translation of the application into English. A processing fee will be required if submitted later than the appropriate 20 or 30 months from the priority date.  The current translation is defective for the reasons indicated on the attached Notice of Defective Translation.  b. Processing fee for providing the translation of the application and/or the Annexes later than the appropriate 20 or 30 months from the priority date (37 CFR 1.497(a)) and (b), properly identifying the application (preferably by the International application number and international filing date). A date.  The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) for the reasons indicated on the attached PCT/DO/EO/917.  d. Surcharge for providing the oath or declaration later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(e)).  Additional claim fees of \$	
The International Preliminary Examination Report in English and its Annexes, if any.  Translation of Annexes to the International Preliminary Examination Report into English.  2. Applicant has requested early processing under 35 U.S.C. 371(f) but has not filed the following indicated items an prior to 20 or 30 months from the priority date to avoid abandonment.  U.S. Basic National Fee. Copy of the international application must be full U.S. Basic National Fee. Copy of the international application.  3. The following items MUST be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:  a. Translation of the application into English. A processing fee will be required if submitted later than the appropriate 20 or 30 months from the priority date.  The current translation is defective for the reasons indicated on the attached Notice of Defective Translation.  b. Processing fee for providing the translation of the application and/or the Annexes later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(f)).  c. Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), properly identifying the application (preferably by the International application number and international filing date). A date.  The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) for the reasons indicated on the attached PCT/DO/EO/917.  d. Surcharge for providing the oath or declaration later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(e)).  Additional claim fees of \$\infty\$ as all large entity small entity, including any required multiple dependent in fee (37 CFR 1.492(e)). See attached PCT/DO/EO/92.  Applicant has not submitted the required sequence listing pursuant to 37 CFR 1.821-1.825. See attached PCT/DO/EO/92.	
2. Applicant has requested early processing under 35 U.S.C. 371(f) but has not filed the following indicated items an the indicated items in paragraph 3 below. The Basic National Fee and the copy of the international application must be for U.S. Basic National Fee.    Copy of the international application must be for U.S. Basic National Fee.   Copy of the international application.   3. The following items MUST be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:   a. Translation of the application into English. A processing fee will be required if submitted later than the appropriate 20 or 30 months from the priority date.   The current translation is defective for the reasons indicated on the attached Notice of Defective Translation.   b. Processing fee for providing the translation of the application and/or the Annexes later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(f)).   c. Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), properly identifying the application (preferably by the International application number and international filing date). A date.   The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) for the reasons indicated on the attached PCT/DO/E0/917.   d. Surcharge for providing the oath or declaration later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(e)).   aim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are large entity. See attached PTO-875.   Applicant has not submitted the required sequence listing pursuant to 37 CFR 1.821-1.825. See attached DNTHS FROM THE PLONG THE	
2. Applicant has requested early processing under 35 U.S.C. 371(f) but has not filed the following indicated items an the indicated items in paragraph 3 below. The Basic National Fee and the copy of the international application must be for U.S. Basic National Fee.    Copy of the international application must be for U.S. Basic National Fee.   Copy of the international application.   3. The following items MUST be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:   a. Translation of the application into English. A processing fee will be required if submitted later than the appropriate 20 or 30 months from the priority date.   The current translation is defective for the reasons indicated on the attached Notice of Defective Translation.   b. Processing fee for providing the translation of the application and/or the Annexes later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(f)).   c. Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), properly identifying the application (preferably by the International application number and international filing date). A date.   The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) for the reasons indicated on the attached PCT/DO/E0/917.   d. Surcharge for providing the oath or declaration later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(e)).   aim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are large entity. See attached PTO-875.   Applicant has not submitted the required sequence listing pursuant to 37 CFR 1.821-1.825. See attached DNTHS FROM THE PLONG THE	
the indicated items in paragraph 3 below. The Basic National Fee and the copy of the international application must be form the priority date to avoid abandonment.    U.S. Basic National Fee.   Copy of the international application must be form the priority date to avoid abandonment.	
U.S. Basic National Fee. Copy of the international application.  3. The following items MUST be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:  a. Translation of the application into English. A processing fee will be required if submitted later than the appropriate 20 or 30 months from the priority date.  The current translation is defective for the reasons indicated on the attached Notice of Defective b. Processing fee for providing the translation of the application and/or the Annexes later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(f)).  c. Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), properly identifying surcharge will be required if submitted later than the appropriate 20 or 30 months from the priority date.  The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) for the reasons indicated on the attached PCT/DO/EO/917.  d. Surcharge for providing the oath or declaration later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(e)).  Additional claim fees of \$\frac{1}{2} \text{ as a } \text{ large entity }  small entity, including any required multiple dependent the again fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are a population and the required sequence listing pursuant to 37 CFR 1.821-1.825. See attached DTT/DO/EO/920.  LOF THE ITEMS SET FORTH IN 3(a)-3(d), 4 AND 5 AROVE MISSER DRIVES DRIVES.	
U.S. Basic National Fee. Copy of the international application.  3. The following items MUST be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:  a. Translation of the application into English. A processing fee will be required if submitted later than the appropriate 20 or 30 months from the priority date.  Translation.  b. Processing fee for providing the translation of the application and/or the Annexes later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(f)).  c. Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), properly identifying surcharge will be required if submitted later than the appropriate 20 or 30 months from the priority date.  The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) for the reasons indicated on the attached PCT/DO/EO/917.  d. Surcharge for providing the oath or declaration later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(e)).  Additional claim fees of \$\frac{1}{3}\$ as a large entity small entity, including any required multiple dependent are (37 CFR 1.492(g)). See attached PTO-875.  Applicant has not submitted the required sequence listing pursuant to 37 CFR 1.821-1.825. See attached DNTHS FROM THE PLATE.	
3. The following items MUST be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:  a. Translation of the application into English. A processing fee will be required if submitted later than the appropriate 20 or 30 months from the priority date.  The current translation is defective for the reasons indicated on the attached Notice of Defective Translation.  b. Processing fee for providing the translation of the application and/or the Annexes later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(f)).  c. Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), properly identifying surcharge will be required if submitted later than the appropriate 20 or 30 months from the priority date.  The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) for the reasons indicated on the attached PCT/DO/EO/917.  d. Surcharge for providing the oath or declaration later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(e)).  Additional claim fees of \$ as a large entity small entity, including any required multiple dependent e (37 CFR 1.492(g)). See attached PTO-875.  Applicant has not submitted the required sequence listing pursuant to 37 CFR 1.821-1.825. See attached PTO-875.	d/or
acceptance under 35 U.S.C. 371:  a. Translation of the application into English. A processing fee will be required if submitted later than the appropriate 20 or 30 months from the priority date.  Translation.  b. Processing fee for providing the translation of the application and/or the Annexes later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(f)).  c. Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), properly identifying surcharge will be required if submitted later than the appropriate 20 or 30 months from the priority date.  The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) for the reasons indicated on the attached PCT/DO/EO/917.  d. Surcharge for providing the oath or declaration later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(e)).  Additional claim fees of \$	iled
later than the appropriate 20 or 30 months from the priority date.  The current translation is defective for the reasons indicated on the attached Notice of Defective  Processing fee for providing the translation of the application and/or the Annexes later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(f)).  C. Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), properly identifying the application (preferably by the International application number and international filing date). A date.  The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) for the reasons indicated on the attached PCT/DO/EO/917.  d. Surcharge for providing the oath or declaration later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(e)).  Additional claim fees of \$	
later than the appropriate 20 or 30 months from the priority date.  The current translation is defective for the reasons indicated on the attached Notice of Defective  b. Processing fee for providing the translation of the application and/or the Annexes later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(f)).  c. Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), properly identifying surcharge will be required if submitted later than the appropriate 20 or 30 months from the priority  the application (preferably by the International application number and international filing date). A date.  The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) for the reasons indicated on the attached PCT/DO/EO/917.  d. Surcharge for providing the oath or declaration later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(e)).  Additional claim fees of \$ as a large entity small entity, including any required multiple dependent are (37 CFR 1.492(g)). See attached PTO-875.  Applicant has not submitted the required sequence listing pursuant to 37 CFR 1.821-1.825. See attached PTO-0/920.  L. OF THE ITEMS SET FORTH IN 3(a)-3(d), 4 AND 5 AROVE MISSER PROMETER 1.825.	
later than the appropriate 20 or 30 months from the priority date.  The current translation is defective for the reasons indicated on the attached Notice of Defective  Translation.  b. Processing fee for providing the translation of the application and/or the Annexes later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(f)).  c. Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), properly identifying the application (preferably by the International application number and international filing date). A date.  The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) for the reasons indicated on the attached PCT/DO/EO/917.  d. Surcharge for providing the oath or declaration later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(e)).  Additional claim fees of \$	
Translation is defective for the reasons indicated on the attached Notice of Defective  Translation.  b. Processing fee for providing the translation of the application and/or the Annexes later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(f)).  c. Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), properly identifying surcharge will be required if submitted later than the appropriate 20 or 30 months from the priority  The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) for the reasons indicated on the attached PCT/DO/EO/917.  d. Surcharge for providing the oath or declaration later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(e)).  Additional claim fees of \$	
Translation.  b. Processing fee for providing the translation of the application and/or the Annexes later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(f)).  c. Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), properly identifying surcharge will be required if submitted later than the appropriate 20 or 30 months from the priority date.  The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) for the reasons indicated on the attached PCT/DO/EO/917.  d. Surcharge for providing the oath or declaration later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(e)).  Additional claim fees of \$ as a large entity small entity, including any required multiple dependent in fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are [43 CFR 1.492(g)). See attached PTO-875.  Applicant has not submitted the required sequence listing pursuant to 37 CFR 1.821-1.825. See attached DT/DO/EO/920.  L. OF THE ITEMS SET FORTH IN 3(a)-3(d), 4 AND 5 AROVE MUST PROMETIES.	
appropriate 20 or 30 months from the priority date (37 CFR 1.492(f)).  c. Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), properly identifying surcharge will be required if submitted later than the appropriate 20 or 30 months from the priority date.  The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) for the reasons indicated on the attached PCT/DO/EO/917.  d. Surcharge for providing the oath or declaration later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(e)).  Additional claim fees of \$	
the application (preferably by the International application number and international filing date). A date.  The current oath or declaration does not comply with 37 CFR 1.497(a) and (b), properly identifying indicated on the attached PCT/DO/EO/917.  d. Surcharge for providing the oath or declaration later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(e)).  Additional claim fees of \$ as a large entity small entity, including any required multiple dependent due (37 CFR 1.492(g)). See attached PTO-875.  Applicant has not submitted the required sequence listing pursuant to 37 CFR 1.821-1.825. See attached ONTHS FROM THE page 200.	
the application of the inventors, in compliance with 37 CFR 1.497(a) and (b), properly identifying surcharge will be required if submitted later than the appropriate 20 or 30 months from the priority indicated on the attached PCT/DO/EO/917.  d. Surcharge for providing the oath or declaration later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(e)).  Additional claim fees of \$ as a large entity small entity, including any required multiple dependent are (37 CFR 1.492(g)). See attached PTO-875.  Applicant has not submitted the required sequence listing pursuant to 37 CFR 1.821-1.825. See attached DTT/DO/EO/920.  L. OF THE ITEMS SET FORTH IN 3(a)-3(d), 4 AND 5 AROVE MISSER DECENTION.	
the application (preferably by the International application number and international filing date). A date.  The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) for the priority indicated on the attached PCT/DO/EO/917.  d. Surcharge for providing the oath or declaration later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(e)).  Additional claim fees of \$ as a large entity small entity, including any required multiple dependent use (37 CFR 1.492(g)). See attached PTO-875.  Applicant has not submitted the required sequence listing pursuant to 37 CFR 1.821-1.825. See attached ONTHS FROM THE page 200.	
date.  The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) for the reasons indicated on the attached PCT/DO/EO/917.  d. Surcharge for providing the oath or declaration later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(e)).  Additional claim fees of \$ as a large entity small entity, including any required multiple dependent use (37 CFR 1.492(g)). See attached PTO-875.  Applicant has not submitted the required sequence listing pursuant to 37 CFR 1.821-1.825. See attached CT/DO/EO/920.  LL OF THE ITEMS SET FORTH IN 3(a)-3(d), 4 AND 5 ABOVE MUST PROMETED.	
The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) for the reasons indicated on the attached PCT/DO/EO/917.  d. Surcharge for providing the oath or declaration later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(e)).  Additional claim fees of \$ as a large entity small entity, including any required multiple dependent use (37 CFR 1.492(g)). See attached PTO-875.  Applicant has not submitted the required sequence listing pursuant to 37 CFR 1.821-1.825. See attached CT/DO/EO/920.  LL OF THE ITEMS SET FORTH IN 3(a)-3(d), 4 AND 5 ABOVE MUST PROPERTY.	
indicated on the attached PCT/DO/EO/917.  d. Surcharge for providing the oath or declaration later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(e)).  Additional claim fees of \$\frac{1}{2} as a   large entity  small entity, including any required multiple dependent use (37 CFR 1.492(g)). See attached PTO-875.  Applicant has not submitted the required sequence listing pursuant to 37 CFR 1.821-1.825. See attached CT/DO/EO/920.  LL OF THE ITEMS SET FORTH IN 3(a)-3(d), 4 AND 5 ABOVE MUST PROPERTY.	
priority date (37 CFR 1.492(e)).  Additional claim fees of \$ as a large entity small entity, including any required multiple dependent use (37 CFR 1.492(g)). See attached PTO-875.  Applicant has not submitted the required sequence listing pursuant to 37 CFR 1.821-1.825. See attached CT/DO/EO/920.  LL OF THE ITEMS SET FORTH IN 3(a)-3(d), 4 AND 5 ABOVE MUST PROPERTY.	
as a large entity small entity, including any required multiple dependent large (37 CFR 1.492(g)). See attached PTO-875.  Applicant has not submitted the required sequence listing pursuant to 37 CFR 1.821-1.825. See attached CT/DO/EO/920.  LL OF THE ITEMS SET FORTH IN 3(a)-3(d), 4 AND 5 AROVE MUST PROSE	
as a large entity small entity, including any required multiple dependent large (37 CFR 1.492(g)). See attached PTO-875.  Applicant has not submitted the required sequence listing pursuant to 37 CFR 1.821-1.825. See attached CT/DO/EO/920.  LL OF THE ITEMS SET FORTH IN 3(a)-3(d), 4 AND 5 AROVE MUST PROSE	
laim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are use (37 CFR 1.492(g)). See attached PTO-875.  Applicant has not submitted the required sequence listing pursuant to 37 CFR 1.821-1.825. See attached CT/DO/EO/920.  LL OF THE ITEMS SET FORTH IN 3(a)-3(d), 4 AND 5 AROVE MUST PROSPER.	
Applicant has not submitted the required sequence listing pursuant to 37 CFR 1.821-1.825. See attached  LL OF THE ITEMS SET FORTH IN 3(a)-3(d), 4 AND 5 ABOVE MUST PROCEED.	
Applicant has not submitted the required sequence listing pursuant to 37 CFR 1.821-1.825. See attached  LL OF THE ITEMS SET FORTH IN 3(a)-3(d), 4 AND 5 AROVE MUST PROSE	
LL OF THE ITEMS SET FORTH IN 3(a)-3(d), 4 AND 5 AROVE MUST BE SEE	
LL OF THE ITEMS SET FORTH IN 3(a)-3(d), 4 AND 5 AROVE MUST BE SEE	
LL OF THE ITEMS SET FORTH IN 3(a)-3(d), 4 AND 5 AROVE MUST BE SEE	
ONTHS FROM THE DATE OF THIS NOTICE OR BY 22 OR 32 MONTHS (where 37 CFR 1.495 applies) FROM SPOND WILL RESULT TO A THE APPLICATION, WHICHEVER IS LATER OF THE APPLICATION, WHICHEVER IS LATER OF THE APPLICATION, WHICHEVER IS LATER OF THE APPLICATION OF THE APPLIC	
HE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS A TERM (where 37 CFR 1.495 applies) FROM	
SPOND WILL RESULT BY APPLICATION, WHICHEVER IS 1 ATTEN	
MADULI IN ABANDONMENT	
STREAT.	
36(a) 36(a)	
etime period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR	
If DOX 3a or 3a is about the	
lexes will be cancelled. A provencion of the Annexes MUST be submitted no later than the	
exes will be cancelled. A processing fee will be required if submitted no later than the time period set above or the The Article 19 amendments are cancelled since a translation was not provided by the appropriate 20 (27 CFR 1.495(d)) months from the priority date.	
The Article 19 amendments are cancelled since a translation was not provided by the appropriate 20 (37 CFR 1.495(d)) months from the priority date.	
to the priority date.	
icant is reminded that any communication to the United State B	
licant is reminded that any communication to the United States Patent and Trademark Office must be mailed to the ess given in the heading and include the U.S. application no. shown above. (37 CFR 1.5)	
A CODY of this nation MUST.	7
PCT/DO/EO/917 Notice of Defective Translation Notice of Defective Translation	]
P10-8/5	1
SHELBY VIGIL, PARALEG  Telephone (March 2001)	/
1 PCT/DO/EO/905 (March 2001)  SHELBY VIGIL, PARALEG	

Telephone: 703-305-3653

Commissioner for Patents, Box PCT United States Patent and Trademark Office Washington, D.C. 20231 US APPLICATION NO FIRST NAMED APPLICANT ATTY. DOCKET NO 09/831047 BLASZCZYK-THURIN M WST93AUSA INTERNATIONAL APPLICATION NO HOWSON AND HOWSON ONE SPRING HOUSE CORPORATION PCT/US99/26277 **BOX 457** 321 NORRISTOWN ROAD SPRING HOUSE, PA 19477 I A FILING DATE PRIORITY DATE 05 NOV 99 06 NOV 98 NOTIFICATION TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICA CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES Applicant has submitted papers under 35 U.S.C. 371 to enter the national stage in the United States of America. The items indicated below, however, are missing. The period within which to correct the deficiency noted below and avoid abandonment is set forth in the accompanying Notification. The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821-1.825 for the following reason(s): The application fails to comply with the requirements of 37 CFR 1.821-1.825. This application does not contain, a "Sequence Listing" as a separate part of the disclosure on paper copy or compact disc, as required by 37 CFR 1.821(c). A copy of the "Sequence Listing" in computer readable format has not been submitted as required by 37 CFR 1.821(e). A copy of the "Sequence Listing" in computer readable form has been submitted. The content of the computer readable form, however, does not comply with the requirements of 37 CFR 1.822 and/or 1.832, as indicated on the attached marked-up copy of the "Raw The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d). The paper copy or compact disc of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e). Other: APPLICANT MUST PROVIDE: An initial or substitute computer readable form (CRF) of the "Sequence Listing." An initial or substitute paper copy or compact disc of the "Sequence Listing," as well as an amendment directing its entry into the specification. A statement that the contents of the paper or compact disc and the computer readable form are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b) or 1.825(d). FOR QUESTIONS REGARDING COMPLIANCE WITH THESE REQUIREMENTS, PLEASE (703) 308-4216, for Rules interpretation, (703) 308-4212, for CRF submission help, (703) 287-0200, for Patentln software help.

SHELBY VIGIL, PARALEG

FORM PCT/DO/EO/920 (March 2001)